

SECTION D  
INDEX TO VOLUME 28

Authors

- Arnason, T. J.**—See Irwin, R. L. B.
- Basir, M. A.**—The morphology and development of the sheep nematode, *Strongyloides papillosus* (Wedl, 1856), 173.
- Bell, G. M.** and **Hoar, W. S.**—Some effects of ultraviolet radiation on sockeye salmon eggs and alevins, 35.  
See **Hoar, W. S.**
- Belyea, R. M.**—See **Wellington, W. G.**
- Brown, J. H.** and **Kohls, G. M.**—The ticks of Alberta with special reference to distribution, 197.
- Butler, L.** and **Metrakos, J. D.**—A study of size inheritance in the house mouse. I. The effect of milk source, 16.
- Calhoun, J. B.**—Population cycles and gene frequency fluctuations in foxes of the genus *Vulpes*, in Canada, 45.
- Common, R. H., Keefe, T. J.,** and **Maw, W. A.**—Some biochemical effects of thiouracil on the response of the immature pullet to estrogen, 272.
- Cowan, I. McT., Hoar, W. S.,** and **Hatter, J.**—The effect of forest succession upon the quantity and upon the nutritive values of woody plants used as food by moose, 249.
- Denstedt, O. F.**—See **Harpur, R. P.**
- Fallis, A. M.**—Are *Leucocytozoon sakharoffi* Sambon and *Leucocytozoon berestneffii* Sambon synonymous? 1.
- Fettes, J. J.**—See **Wellington, W. G.**
- Finlayson, T. U.**—See **Smith, R. W.**
- Harpur, R. P., Denstedt, O. F.,** and **Swales, W. E.**—Absorption of phenothiazine from the rumen of sheep, and its estimation in blood serum, 162.  
———, **Swales, W. E.,** and **Denstedt, O. F.**—The fate of phenothiazine in the gastrointestinal tract of the sheep, 143.
- Hart, J. S.**—Interrelations of daily metabolic cycle, activity, and environmental temperature of mice, 293. The effect of humidity and temperature on carbon dioxide production of deer mice and on heat transmission through their fur, 280.
- Hatter, J.**—See **Cowan, I. McT.**
- Hoar, W. S.** and **Bell, G. M.**—The thyroid gland in relation to the seaward migration of Pacific salmon, 126.  
See **Bell, G. M.;** **Cowan, I. McT.**
- Hocking, B., Richards, W. R.,** and **Twinn, C. R.**—Observations on the bionomics of some northern mosquito species (Culicidae: Diptera), 58.
- Irwin, R. L. B., Spinks, J. W. T.,** and **Arnason, T. J.**—Deposition of P<sup>32</sup> in developing *Drosophila*, 137.
- Keefe, T. J.**—See **Common, R. H.**
- Kohls, G. M.**—See **Brown, J. H.**

- McCallion, D. J.** and **Scott, J. L.**—A cytochemical study of the absorption and distribution of iron in the frog, *Rana pipiens*, 119.
- Macklin, C. C.**—Mouse epicytes and their intramural processes, 5.
- Maw, W. A.**—See **Common, R. H.**
- Metrakos, J. D.**—See **Butler, L.**
- Rempel, J. G.**—A guide to the mosquito larvae of Western Canada, 207.
- Richards, W. R.**—See **Hocking, B.**
- Salt, R. W.**—Time as a factor in the freezing of undercooled insects, 285.
- Scott, J. L.**—See **McCallion, D. J.**
- Smith, R. W.** and **Finlayson, T. U.**—Larvae of dipterous parasites of nymphal and adult grasshoppers, 81.
- Spinks, J. W. T.**—See **Irwin, R. L. B.**
- Swales, W. E.**—See **Harpur, R. P.**
- Turner, K. B.**—See **Wellington, W. G.**
- Twinn, C. R.**—See **Hocking, B.**
- Wellington, W. G.**, **Fettes, J. J.**, **Turner, K. B.**, and **Belyea, R. M.**—Physical and biological indicators of the development of outbreaks of the spruce budworm, *Choristoneura fumiferana* (Clem.) (Lepidoptera: Tortricidae), 308.

SECTION D  
INDEX TO VOLUME 28

Subjects

- Absorption** of iron in the frog, Cytochemical study of, 119.
- Alevins**, Salmon, Effects of ultraviolet radiation on, 35.
- Biochemistry**. Biochemical effects of thiouracil on the response of the immature pullet to estrogen, 272.
- Bionomics** of northern mosquito species, 58.
- Blood serum** of sheep, Estimation of phenothiazine in, 162.
- Budworm**, Spruce, Physical and biological indicators of outbreaks of, 308.
- Carbon dioxide production** of deer mice, Effect of humidity and temperature on, 280.
- Choristoneura fumiferana** (Clem.), Physical and biological indicators of outbreaks of, 308.
- Culicidae**: Diptera, Bionomics of northern mosquito species, 58.
- Cytochemistry**. Cytochemical study of absorption and distribution of iron in frog, 119.
- Diptera**  
Bionomics of northern mosquito species, 58.  
Larvae of dipterous parasites of grasshoppers, 81.
- Drosophila**, Deposition of P<sup>32</sup> in developing, 137.
- Eggs**, Salmon, Effects of ultraviolet radiation on, 35.
- Epicytes**, Mouse, and their intramural processes, 5.
- Estrogen**, Biochemical effects of thiouracil on response of immature pullet to, 272.
- Forest succession**, Effect of, upon quantity and nutritive values of woody plants used as food by moose, 249.
- Foxes** of genus *Vulpes*, Population cycles and gene frequency fluctuations in, 45.
- Freezing**, Time as a factor in, of undercooled insects, 285.
- Frog**, Cytochemical study of absorption and distribution of iron in, 119.
- Fur**. Effect of humidity and temperature on heat transmission through deer mice fur, 280.
- Gastrointestinal tract** of sheep, Phenothiazine in, 143.
- Gene frequency fluctuations** in foxes of genus *Vulpes*, 45.
- Gland**, Thyroid, in relation to seaward migration of Pacific salmon, 126.
- Grasshoppers**, Larvae of parasites of nymph and adult, 81.
- Heat transmission** through deer mice fur, Effect of humidity and temperature on, 280.
- Humidity**, Effect of,  
on carbon dioxide production of deer mice, 280.  
on heat transmission through deer mice fur, 280.
- Inheritance** of size in mouse, Effect of milk source, 16.
- Insects**, Undercooled, Time as a factor in freezing of, 285.
- Intramural processes**, Mouse epicytes and, 5.
- Iron**, Absorption and distribution of, in frog, 119.
- Larvae**  
Mosquito, of Western Canada, 207.  
of dipterous parasites of nymphal and adult grasshoppers, 81.
- Lepidoptera**: Tortricidae, Physical and biological indicators of outbreaks of *Choristoneura fumiferana*, 308.
- Leucocytozoon**. Possible synonymy of *L. sakharoffi* and *L. berestnefti*, 1.
- Metabolism**. Interrelations of metabolic cycle, activity, and environmental temperature of mice, 293.
- Migration**, Seaward, of Pacific salmon, Thyroid gland in relation to, 126.

- Milk source**, Size inheritance in mouse as affected by, 16.
- Moose**, Effect of forest succession upon quantity and nutritive values of woody plants used as food by, 249.
- Morphology** and development of sheep nematode, 173.
- Mosquito(es)**  
Bionomics of northern species of, 58.  
of Western Canada, Larvae of, 207.
- Mouse**  
Effect of humidity and temperature on carbon dioxide production of deer mice and on heat transmission through their fur, 280.  
Interrelations of metabolic cycle, activity, and environmental temperature of mice, 293.  
Mouse epicytes and their intramural processes, 5.  
Size inheritance in. Effect of milk source on, 16.
- Nematode**, Sheep, Morphology and development of, 173.
- Nutrition**. Effect of forest succession on nutritive values of woody plants used as food by moose, 249.
- P32**, Deposition of, in developing *Drosophila*, 137.
- Parasites**, Dipterous, Larvae of, of nymphal and adult grasshoppers, 81.
- Phenothiazine**  
in gastrointestinal tract of sheep, 143.  
Absorption of, from rumen of sheep, and estimation of, in blood serum, 162.
- Population cycles** in foxes of the genus *Vulpes*, 45.
- Pullet**, Immature, Biochemical effects of thiouracil on response of, to estrogen, 272.
- Radiation**, Ultraviolet, Effects of, on sock-eye salmon eggs and alevins, 35.
- Rana pipiens**, Cytochemical study of absorption and distribution of iron in, 119.
- Rumen**, Sheep, Absorption of phenothiazine from, 162.
- Salmon**  
Pacific, Thyroid gland in relation to seaward migration of, 126.  
Sockeye, Effects of ultraviolet radiation on eggs and alevins of, 35.
- Sheep**  
Absorption of phenothiazine from rumen of, 162.  
Morphology and development of *Strongyloides papillosus* in, 173.  
Phenothiazine in the gastrointestinal tract of, 143.
- Sockeye salmon eggs**, Effects of ultraviolet radiation on, 35.
- Spruce budworm**, Physical and biological indicators of outbreaks of, 308.
- Strongyloides papillosus**, Morphology and development of, 173.
- Temperature**  
Effect of  
on carbon dioxide production of deer mice, 280.  
on heat transmission through deer mice fur, 280.  
Environmental, of mice, Interrelations of metabolic cycle, activity, and, 293.
- Thiouracil**, Biochemical effects of, on the response of the immature pullet to estrogen, 272.
- Thyroid gland** in relation to seaward migration of Pacific salmon, 126.
- Ticks** of Alberta with special reference to distribution, 197.
- Time** as factor in freezing of undercooled insects, 285.
- Tortricidae**. Physical and biological indicators of outbreaks of *Choristoneura fumiferana*, 308.
- Ultraviolet radiation**, Effects of, on sock-eye salmon eggs and alevins, 35.
- Vulpes**, Population cycles and gene frequency fluctuations in, 45.
- Woody plants**, Effect of forest succession on quantity and nutritive values of, used as food by moose, 249.

ERRATA

Page 59. The first paragraph under the heading **The Mosquito Species at Churchill** should read as follows:

The following species of mosquitoes have now been recorded as occurring in the vicinity of Churchill, Man.:

Culicinae:

*Aedes nearcticus* Dyar  
*nigripes* Zett.  
*punctor* Kby.  
*communis* DeG.  
*excrucians* Wlk.  
*campestris* D. & K.

*Aedes flavescens* Müller  
*cinereus* Meig.  
\* *spencerii* Theo.  
\* *riparius* D. & K.  
*Culiseta alaskaensis* Ludl.  
*impatiens* Wlk.

Chaoborinae:

*Chaoborus nyblaei* Zett.  
\* *crystallinus* DeG.

\* *Eucorethra underwoodi* Und.  
\* *Mochlonyx culiciformis* DeG.

Page 129. In the caption for Fig. 6, (× 25) should read (× 16).

Page 130. In the caption for Fig. 7, (× 25) should read (× 30).